

MODULAR COOLING LOOP SYSTEM

ABSTRACT OF THE DISCLOSURE

A modular cooling loop system for cooling a manufacturing process machine connects to a chilled water system and the manufacturing process machine. The cooling loop system includes a movable chassis and a coolant piping loop mounted on the chassis. The coolant piping loop includes a pump, a plurality of coolant inlets a plurality of coolant outlets, a plurality of temperature sensors for measuring coolant temperature in the coolant piping loop, a flow sensor for measuring coolant flow in the coolant piping loop, and a flow control valve for controlling the flow of fresh coolant into the coolant piping loop. The coolant piping loop is configured to recirculate coolant through the coolant piping loop and the manufacturing process machine.